



# Biosciences Industry

## REAL TIME LABOR MARKET SUMMARY

February 2019

### Biosciences Industry Labor Analysis Across the State During the Last 6 Months

A sampling of the Biosciences industry for the 6-month period showed over 4,000 job postings for top demand jobs. The top occupation was Wholesale and Manufacturing Sales Reps, making up 7.1% of total job postings.

Top Job Postings		% Online Job Postings
SOC Code	Description	
<b>Now Occupations</b>		
43-4051	Customer Service Representatives	1.5%
53-7062	Laborers and Freight, Stock, and Material Movers	1.3%
43-5021	Couriers and Messengers	0.6%
51-9198	Helpers--Production Workers	0.4%
43-5081	Stock Clerks	0.4%
45-2092	Farmworkers and Laborers, Crop	0.4%
43-9021	Data Entry Keyers	0.3%
43-4111	Interviewers, Except Eligibility and Loan	0.3%
53-3033	Light Truck or Delivery Services Drivers	0.2%
53-7064	Packers and Packagers, Hand	0.2%
<b>Next Occupations</b>		
41-4012	Sales Representatives, Wholesale & Manufacturing	7.1%
29-2012	Medical and Clinical Laboratory Technicians	4.9%
51-9199	Production Workers, All Other	1.8%
19-4099	Quality Control Analysts	1.7%
51-9061	Inspectors, Testers, Sorters, Samplers, & Weighers	1.4%
51-1011	First-Line Supervisors of Production & Operating Workers	1.4%
49-9071	Maintenance and Repair Workers, General	1.3%
31-9097	Phlebotomists	1.2%
19-4031	Chemical Technicians	1.0%
17-3029	Manufacturing Production Technicians	1.0%
<b>Later Occupations</b>		
11-9199	Managers, All Other	3.4%
11-2022	Sales Managers	3.1%
15-1132	Software Developers, Applications	2.7%
19-2031	Chemists	2.7%
15-2031	Operations Research Analysts	2.0%
11-2021	Marketing Managers	1.5%
15-1199	Information Technology Project Managers	1.4%
19-1020	Biologists	1.3%
13-1071	Human Resources Specialists	1.2%
41-4011	Sales Representatives, Technical and Scientific Products	1.2%

Occupations are divided into Now, Next and Later categories based on the typical training and education required. Now occupations typically require short-term on-the-job training, little to no experience, and/or a high school diploma. Next occupations typically require a non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training. Later occupations require a bachelor's degree or higher.

Over one-half (52%) of jobs posted for this industry and time period fell into the Later category, indicating this is an industry that demands technical and skilled labor.

The top five employers for the 6-month time period of Aug. 1, 2018 - Jan. 31, 2019 were:

- Monsanto
- Pfizer
- MilliporeSigma
- Mallinckrodt Pharmaceuticals
- Quest Diagnostics

## Biosciences Industry Skills and Certifications

Top 10 Basic Skills	
Description	Rank
Communication Skills	1
Teamwork / Collaboration	2
Research	3
Problem Solving	4
Organizational Skills	5
Microsoft Excel	6
Planning	7
Detail-Oriented	8
Microsoft Office	9
Computer Literacy	10

Top 10 Specialized Skills	
Description	Rank
Biotechnology	1
Chemistry	2
Customer Service	3
Quality Assurance and Control	4
Project Management	5
Sales	6
Scheduling	7
Budgeting	8
Biology	9
Current Good Manufacturing Practices (CGMP)	10

Basic skills are the most numerous, found in the majority of job advertisements. Several soft skills such as communication, teamwork, and problem solving ranked in the top 10 requested basic skills. Communication skills were found in over two-fifths (43%) of total job postings. Top specialized skills included biotechnology, chemistry, and customer service.

Top 10 Software Skills	
Description	Rank
Microsoft Excel	1
Microsoft Office	2
Microsoft Powerpoint	3
Microsoft Word	4
SAP	5
Python	6
Software Development	7
Enterprise Resource Planning (ERP)	8
Java	9
SQL	10

Top 10 Certificates	
Certificate	Rank
Driver's License	1
Certified Medical Laboratory Technician	2
Project Management Certification	3
American Society For Clinical Pathology (ASCP) Certification	4
Phlebotomy Certification	5
Project Management Professional (PMP)	6
Certified Public Accountant (CPA)	7
Security Clearance	8
Forklift Operator Certification	9
Six Sigma Certification	10

Microsoft programs and programming languages were among the top requested software and programming skills. Top requested certificates included Driver's License and Certified Medical Technician.

### Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight™ tool which collects information from over 35,000 web sources, including job boards, newspapers, and employer websites. While this analysis presents a broad picture of hiring activity and serves as a measure of labor demand, it does not capture openings that are filled through other networks.

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